

CALL FOR PAPERS
CODATA 2002
Frontiers of Scientific and Technical Data

CODATA 2002 will take place 29 September – 3 October 2002 at the Hotel Delta Centre-Ville in downtown Montreal, Canada. This four-day international conference continues CODATA's 36-year tradition of serving science through the exploration of scientific and technical data needs and advancements.



In addition to a number of outstanding keynote and invited presentations, we invite contributions from leading international experts who are willing to share their knowledge and experiences in the following areas:

1. Physical Science Data

- Chemistry
- Physics
- Crystallography
- Astronomy
- Materials
- Metrology
- Energy
- Geothermy
- Gas Hydrates
- Analytical

2. Biological Science Data

- Biochemistry
- Molecular Biology
- Microbiological
- Biodiversity/Environ.
- Bioinformatics
- Genomics
- Structural Biology

3. Earth and Environmental Data

- Geology
- Geography
- Climate/Global Change
- Meteorology
- Seismic/Gravity
- Natural Disasters
- Hazards/Pollution
- Industrial/Engineering
- Land Use/Agriculture

4. Medical and Health Data

- Pharmacology
- Immunology
- Epidemiology
- Health Services
- Nutritional/Food

5. Social Science Data

- Demography/Statistics
- Psychological
- Political Science
- Behavioral
- Culture Collections
- History
- Archeology
- Anthropology

6. Informatics and Technology

- Archiving
- Data Management
- Interoperability
- Metadata
- Data Tools (GIS, Browsers, Multimedia)
- Data Mining
- Visualization
- Virtual Laboratories
- International Data Networks
- Multi-media Databases

7. Data Science

- Errors
- Data Quality
- Statistics
- Ontologies
- Semantics
- Taxonomies
- Analysis
- Modelling

8. Data Policy

- Ethics
- Legal Aspects
- Access to Government Data
- Information Economics

9. Technical Demonstrations

10. Multi-disciplinary Data Projects

11. Large Data Projects

- Astronomy
- Chemistry
- Genomic
- High-energy physics
- Earth Remote Sensing
- Social sciences

Talks on multi-disciplinary subjects are encouraged.

Important Deadlines

Submission of Abstracts: 1 May 2002

Notification of Acceptance: 10 May 2002

Conference Dates: 29 September - 3 October, 2002

Submission Format

Abstracts should include:

- Title of proposed paper
- Author(s) name, title, address, e-mail, phone, and fax
- Classification of the paper by one or more of the designated topics listed in the above Call for Papers (For instance, a single specific paper might logically be grouped with other presentations under *2. Microbiological* or under *6. Archiving*.)
- 200 to 400 word abstract in English
- Preference for oral presentation, poster presentation or technical demonstration

Note:

- 1 Most oral presentations will be in parallel sessions.
- 2 Posters will go on public display Monday morning and come down Wednesday evening; authors should be available to explain them at the Monday evening reception.
- 3 Technical demonstration sessions involve typically six tables around the perimeter of a room. The six presenters will be given a maximum of 5 minutes each at the beginning of the session to describe their demonstration orally. The remainder of the session will be for simultaneous walk around demonstrations. Technical demonstrations must be self-contained on one's laptop and viewable either on the laptop screen or via one's own projector. Internet access will NOT be provided for presentations.

Preference is for abstracts submitted by e-mail in non-formatted text. Submissions should be contained in an e-mail message, NOT as an attached file. In the subject line of the message, place **CODATA 2002 - <your last name>**. All submissions should be sent to: **codata@dial.oleane.com** (with a copy to gordon.wood@nrc.ca).

Final plans for publishing of the Conference Proceedings are not yet in place, but it is likely that some form of electronic publication will be used.

Any questions or non-electronic submissions should be addressed to:

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